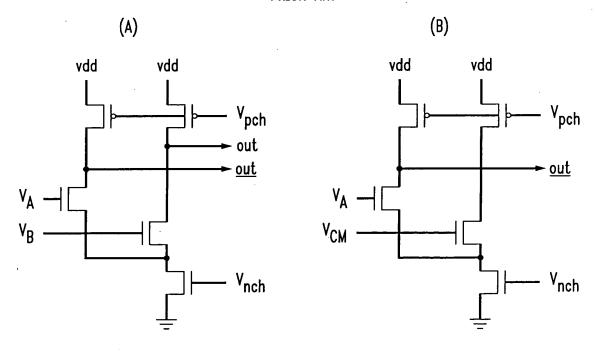


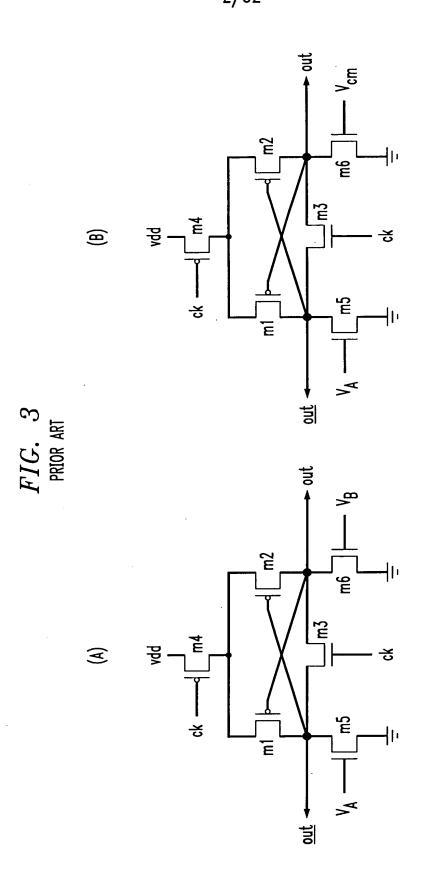
FIG. 1 PRIOR ART +Δ V_{CM} $-\,\Delta$ v_{B} V_{ref} =0

FIG. 2 PRIOR ART



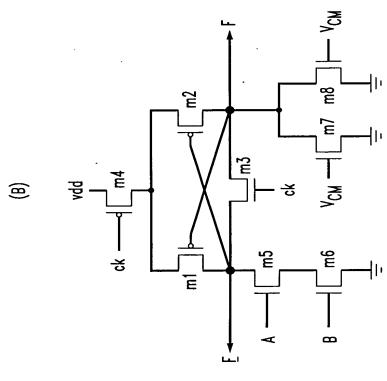
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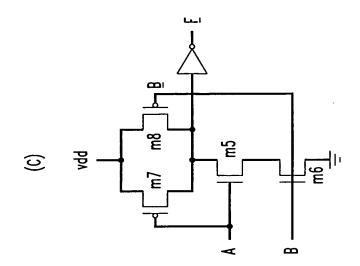


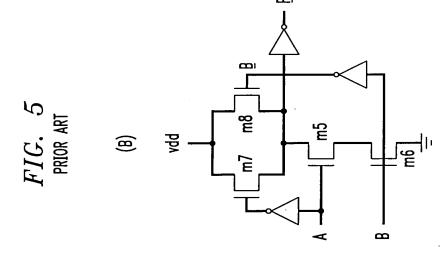
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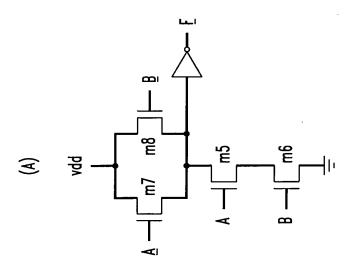
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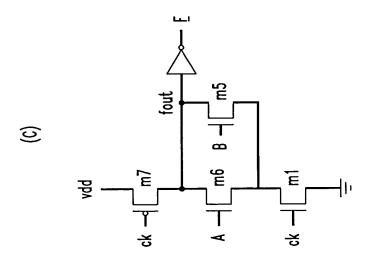




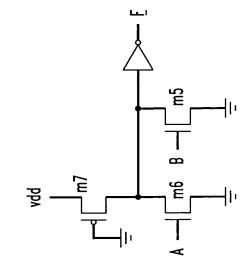


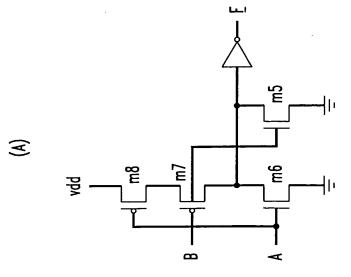
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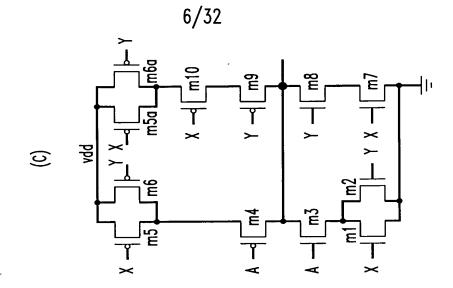


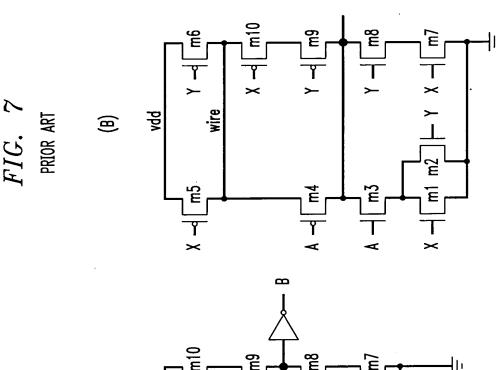
(B)

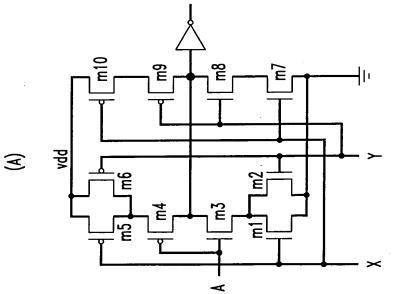




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FIG. 8

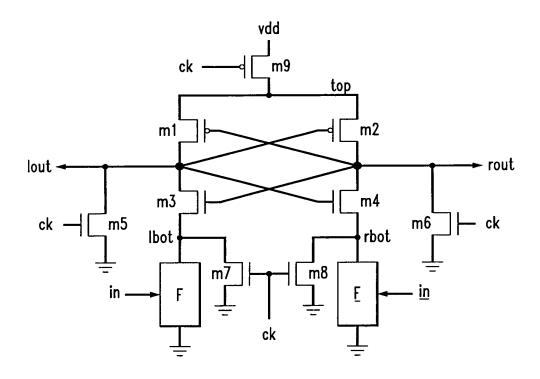
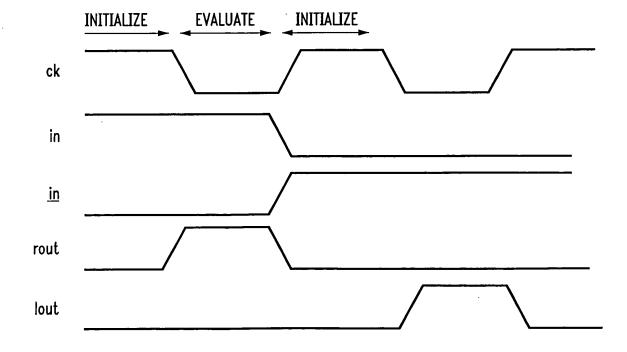


FIG. 9



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FIG. 10A

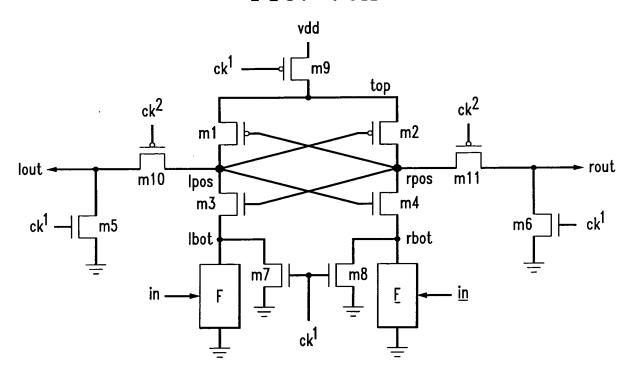
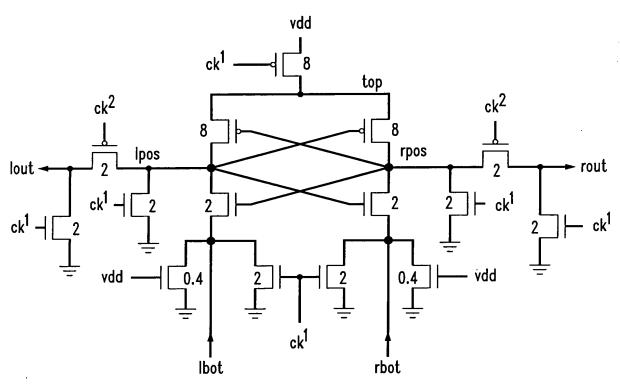
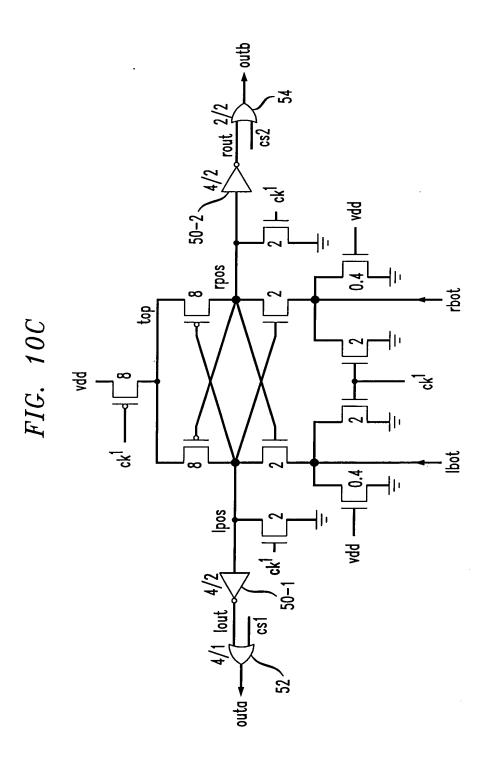


FIG. 10B





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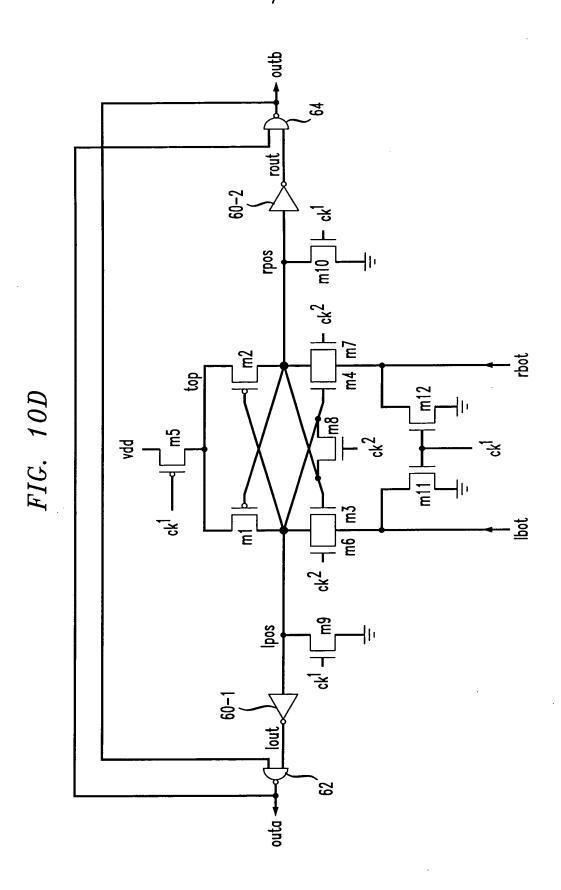


FIG. 11

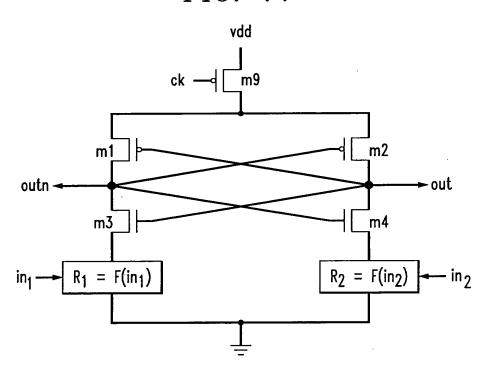
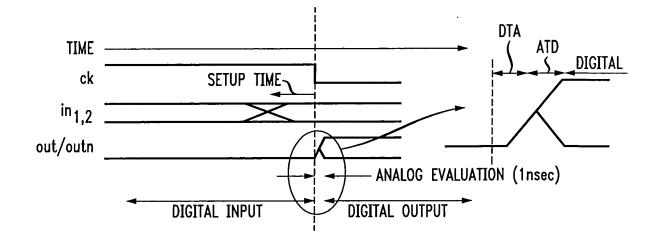
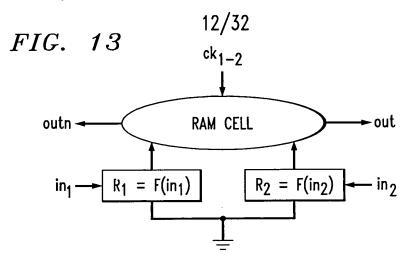
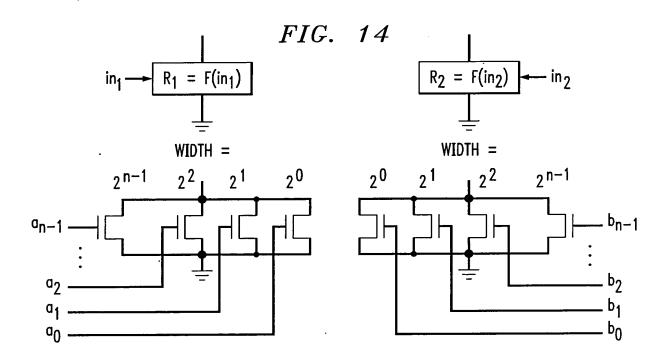


FIG. 12







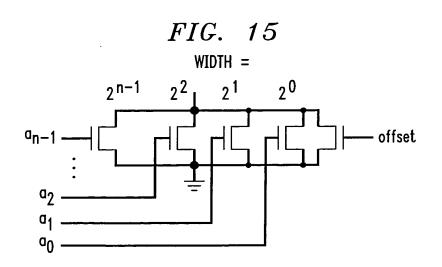


FIG. 16

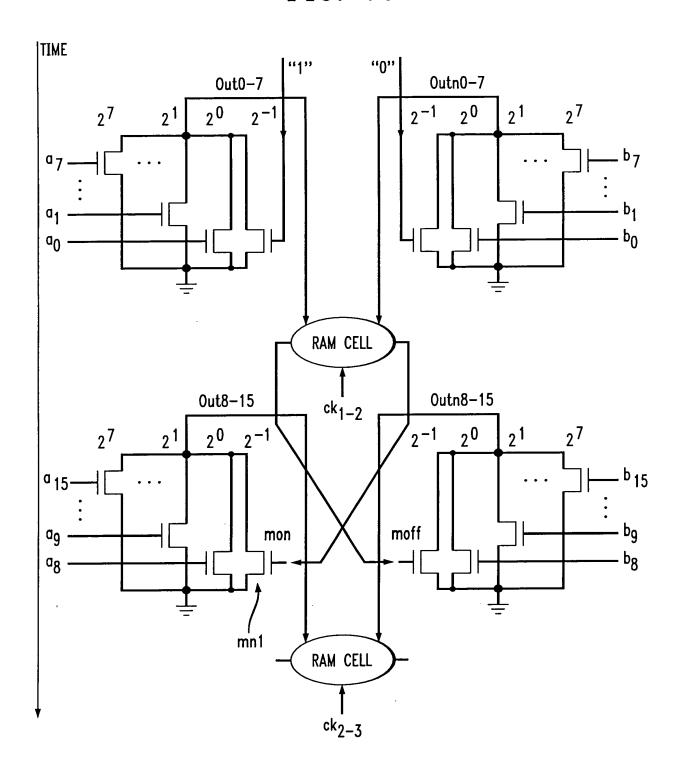


FIG. 17

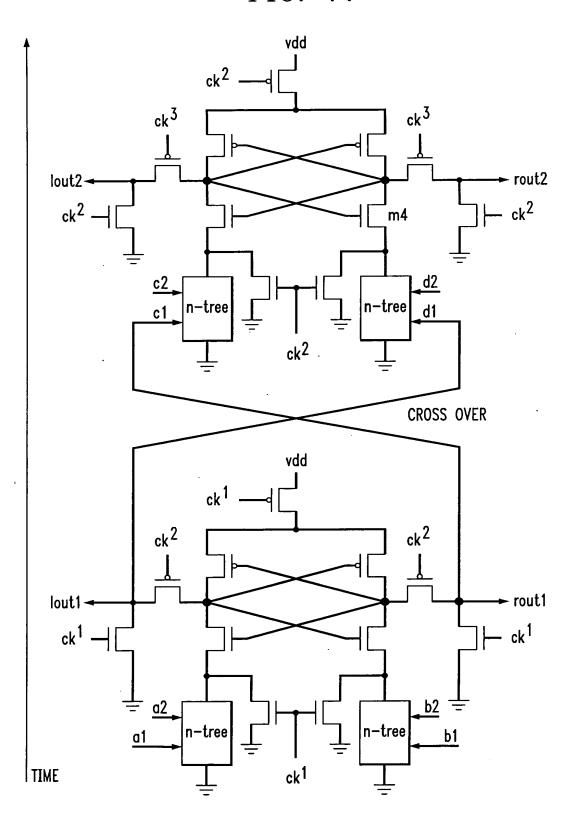
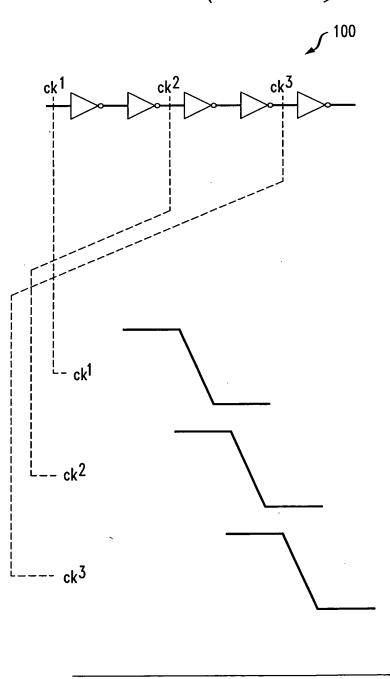


FIG. 17 (CONT'D)



TIME

FIG. 18

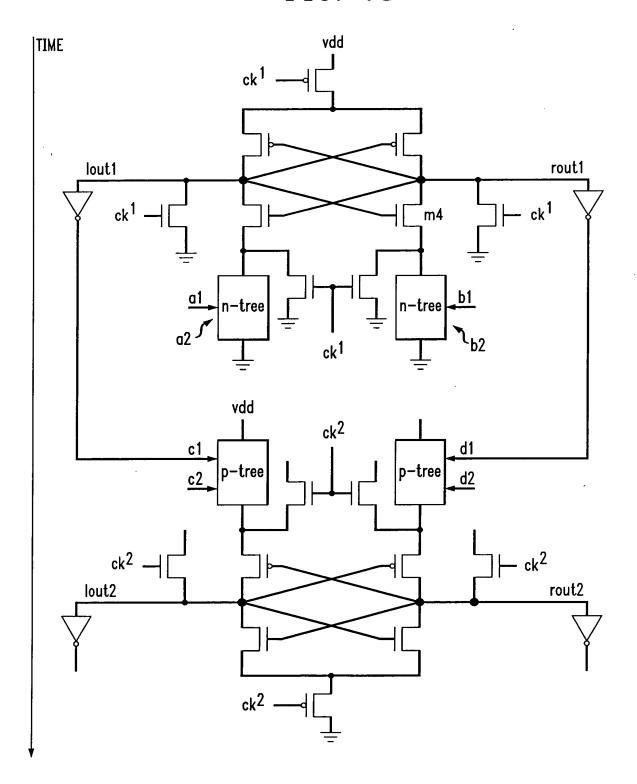


FIG. 18 (CONT'D)

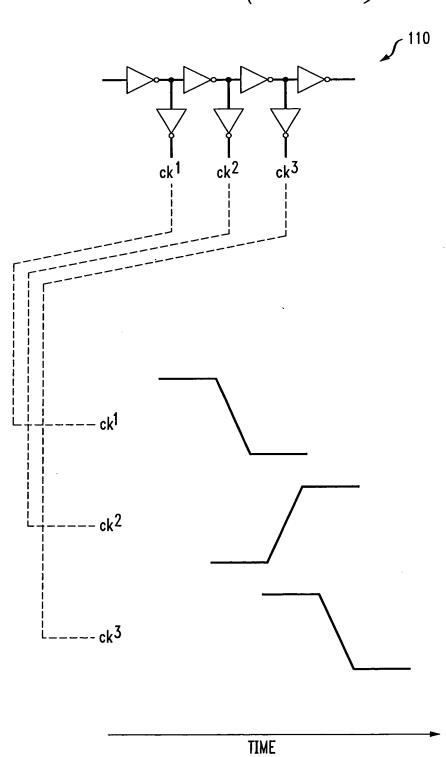


FIG. 19

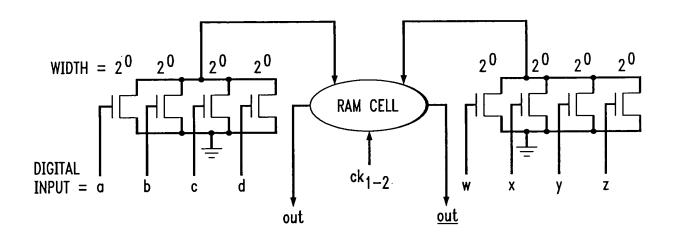
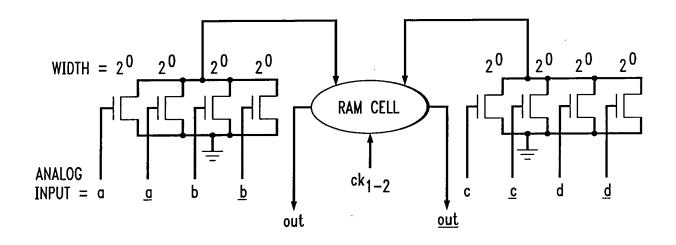
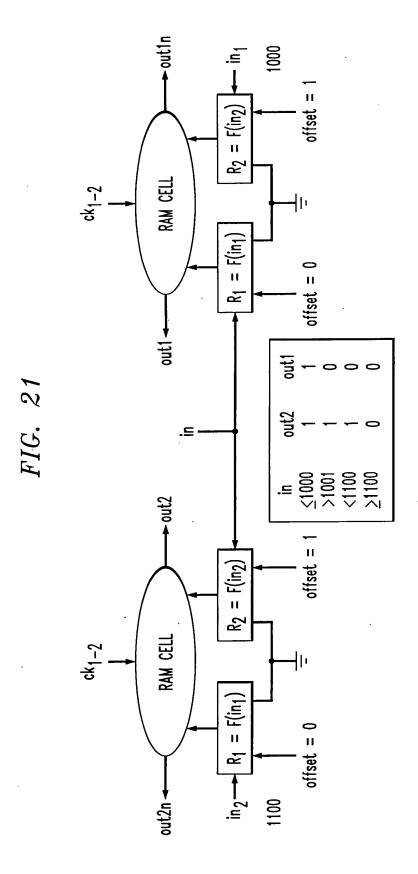


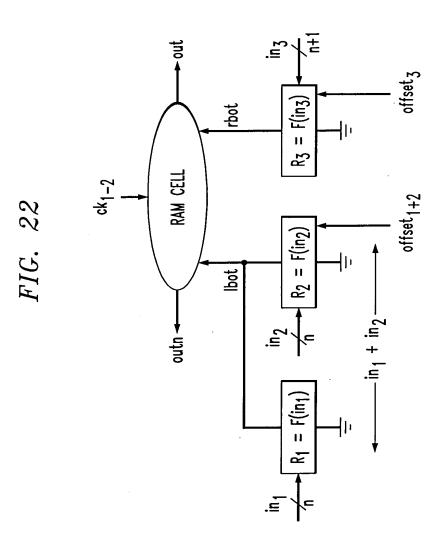
FIG. 20



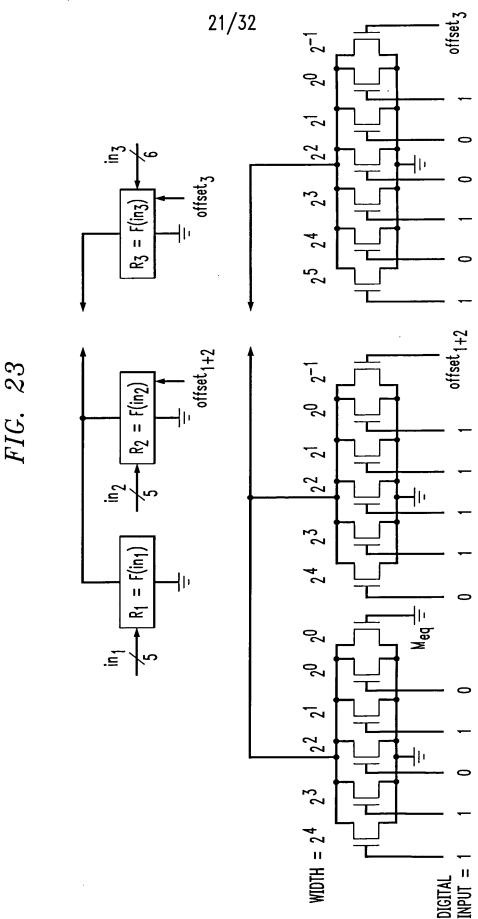
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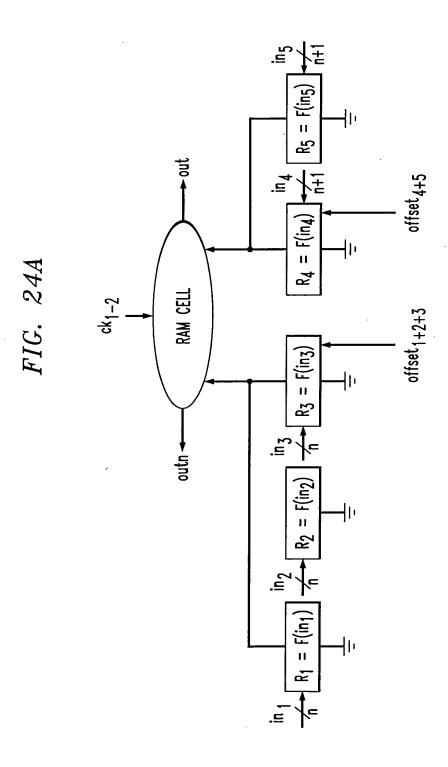


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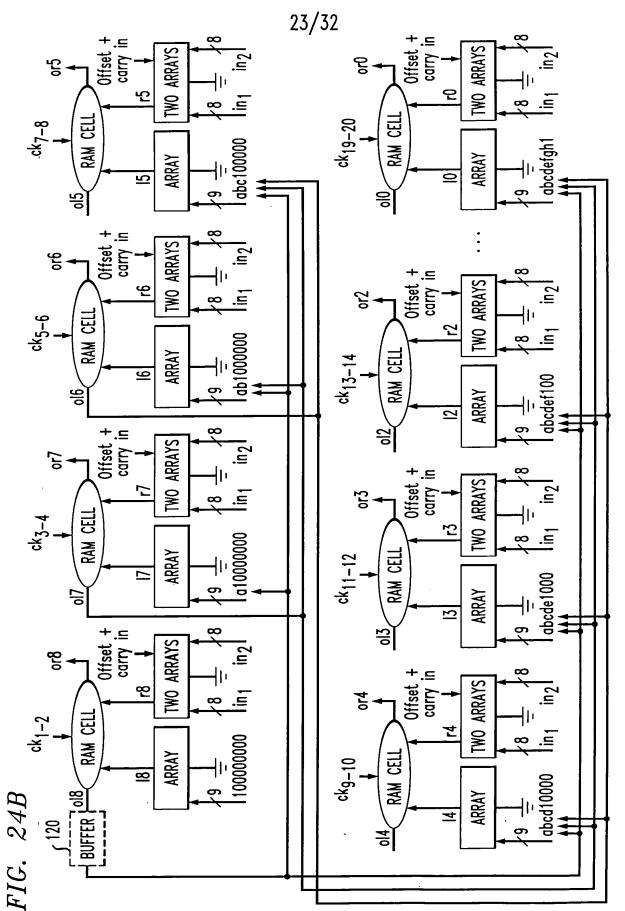


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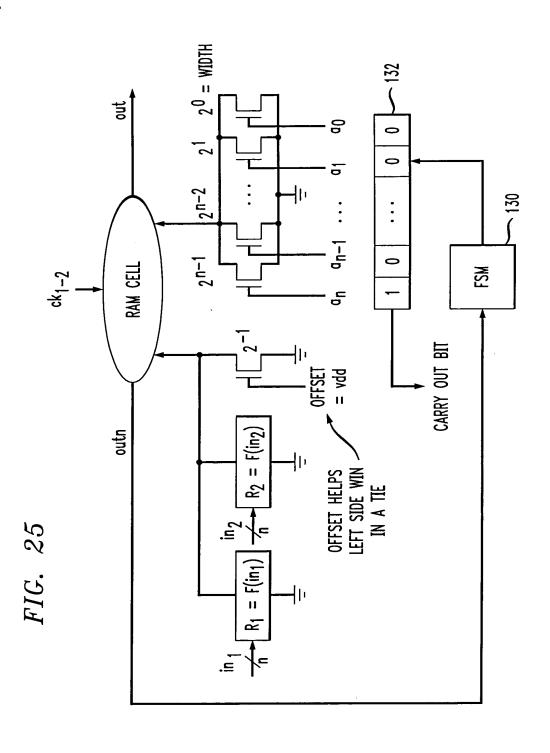
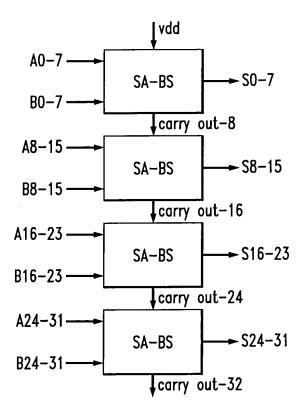


FIG. 26

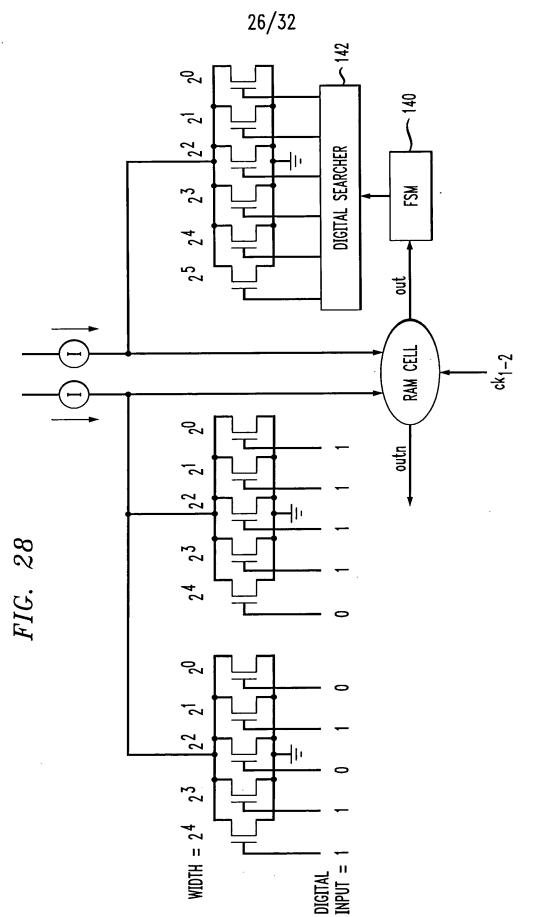
```
/* initialize */
n=8;
a[n] = 1;
for (k=1; k<n; k++)
a[k]=0;

for (i=0; i<n; ++i) /* i=clock tick*/
if (out = 0)
a[n-i-1] = 1;
else {
a[n-i] = 0;
if (i < n - 1)
a[n-i-1] = 1;
}
/* addition result is in array a[n] */
```

FIG. 27



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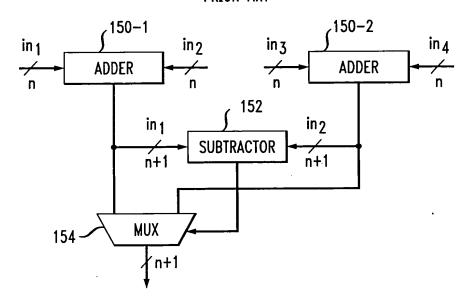
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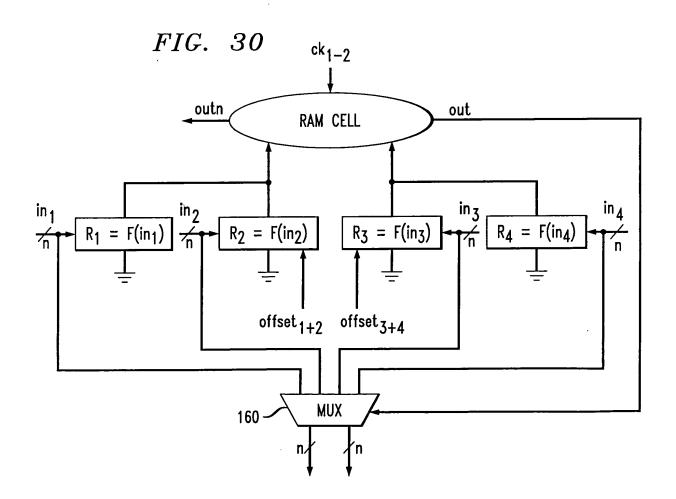
Serial No.: 09/870,436 Ryan, Mason & Lewis LLP; J. B. Ryan (516) 759-2722

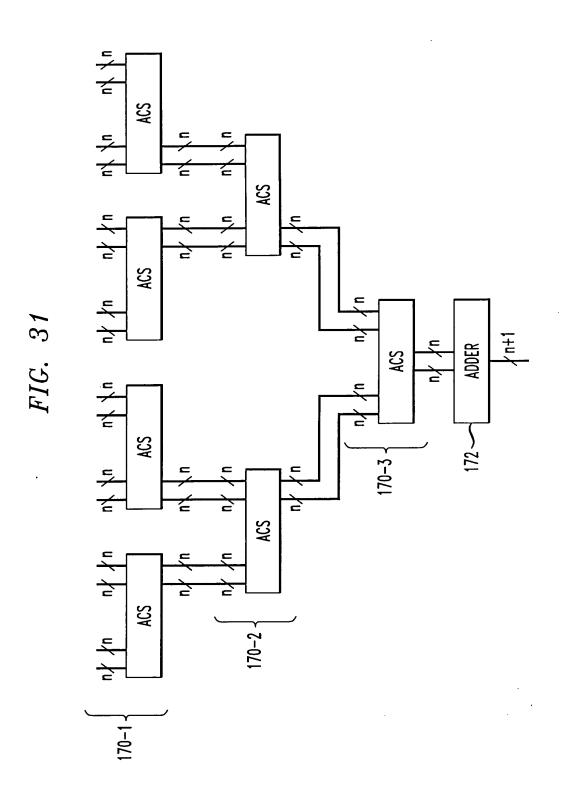
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FIG. 29

PRIOR ART





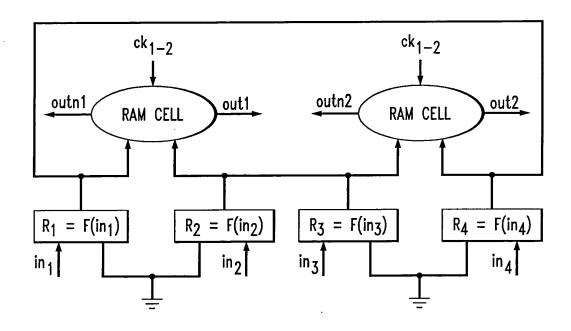


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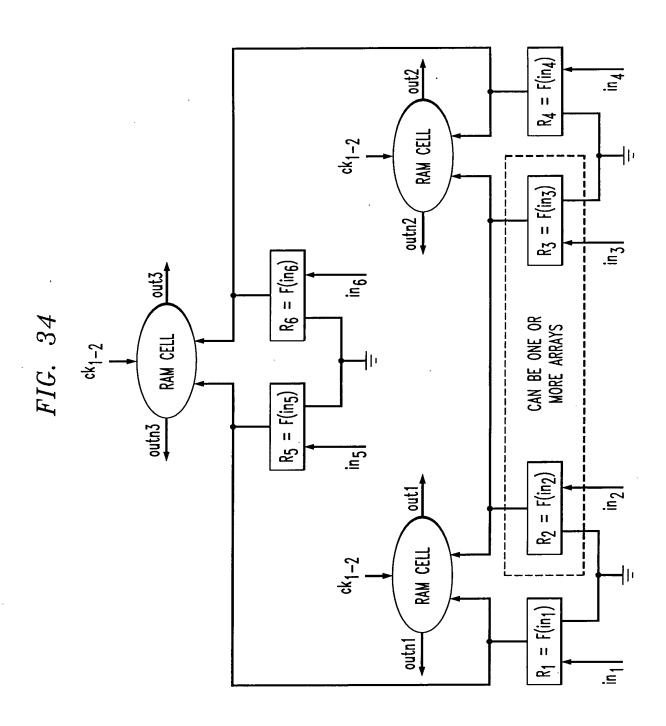
FIG. 32

	POWER (μW)		TRANSISTOR COUNT		DELAY (pSEC)	
	ADD COMPARE	SELECT	ADD COMPARE	SELECT	ADD COMPARE	SELECT
CONVENTIONAL	2000	200	5215	58	1120	200
SEESAW	100	300	55	108	516	173
GAIN FACTOR	X20	X0.66	X95	X0.54	X2.17	X1.15

FIG. 33



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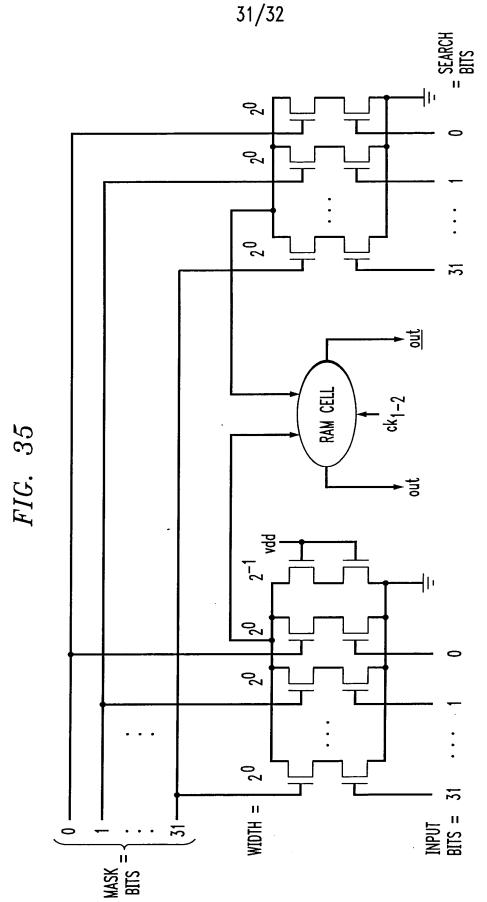


FIG. 36

